SHCHERBAKOVA, Ye, Ya. (Moskva)

Clinical aspects of a dre posttyaumatic intracrantal hematomas. Vop. neirokhir. 27 no.4115-19 Ji-Ag 463 (MIRA 1782)

1. Nauchme-issledovateliskry ordena Trudovogo Krasnogo Znameni inatitut neyrokhiturgii imeni N.N.Burdenko (dir. - prof. B.G. Yegorov) ANN SSSR.

SHCHERBAKOVA, Te.Ta.

Vari-bility of Aspergillus niger under the influence of ultraviolet rays. Mikrobiologila 32 no.1:43-49 \*63 (MIRA 17:3)

1. TSentral 'nyy nauchno-issledovatel skiy institut konditerskoy promyshlennosti.

Correlation existing between morphological and physiological changes in Asperigillus niger mutante. Mikrobiological 33 no.24252-260 Pr Ap '64.

1. Institut mikrotoclogic AN SYSR 1 Nauchmo-isaledovatel\*tkly institut konditerskoy promyshlennosti.

LIFOVSKAYA, V.I.; SHCHERBAKOVA, Ya.Ya.

Distribution of the ten-year maximum thicknesses of the snow cover of varying probability in the European part of the U.S.S.R. Trudy GGO no.149:38-47 163. (MIRA 17:1)

IFFCLUENTS, V.I.; SECHREBAROVA, Vs.Ve.

Frespective maximum decade heights of the encw cover of varying probability on the territory of the U.S.C.S. Truy GRO no.161:16-22 'c4.

(MinA 17.9)

Characterists of biochances in active anerticle from very many abstract by the active of the ability of the Arian Mikrobiologic 35 no.1:49-35 Just to. (CISA 17:9)

1. Removeling manches declarated by motive and ariany promy termosts, Leningran.

SHIMMY, A. .., prof.: SHCHEFBAKCVA, Ye.Ya., vrach

intracranial hematomas during the acute period of cranioresolved traumas. Trudy Inst. im. N.V. Sklif. 8:113-121 (MIRA 18:6

ERSONSBURGERING CONTROL OF THE PROPERTY OF THE

1. logtitut neyrokhirurgii imeni akademika Burdenko AMN SSSR, Pogkva,

ZIL'BER, M.K. (Chelyabinsk); SHCHERBAKOVA, Z.I. (Chelyabinsk)

Density and surface tension of liquid waste slags from copper smelting. Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.6: 42-44 N-D '61.

(Copper industry—By-products)

(Slag--Testing)

ROZENISVEYG, S.A.; UFLYAND, N.Yu.; SHCHERBAKOVA, Z.V.

Adsorption of sulfur in iron in alkali solutions. Zhur. fiz. khim. 36 no.3:557-561 Mr '62, (MIRA 17:8)

1. Gosudarstvennyy soyuznyy nauchno-issledovateliskiy institut.

State of man of the death of the

14-57-6-12748

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,

pp 136-137 (USSR)

AUTHORS:

Sklyarova, T. V., Shcherbakova, Z. P.

TITLE:

Origin and Development of Plankton and Benthos on Collective Farms in Voronezhskaya Oblast (K voprosu o sostave i razvitii planktona i bentosa kolkhoznykh

prudov Voronezhskoy oblasti)

PERIODICAL:

Tr. Voronezhsk. zoovet. in-ta, 1956, Vol 13, pp 67-78

ABSTRACT:

The authors describe seven ponds in the Verkhne-Khava district which were formed when depressions with moderately sloping grassy banks were flooded. Water surface was clear and free of weeds; the ground was chernozem ooze with deposits of clay and plant residum. Ponds, formed where natural or artificial bodies of water had previously existed, were stocked with pike, crucian carp, marlin, red perch, roach and perch. In

Card 1/3

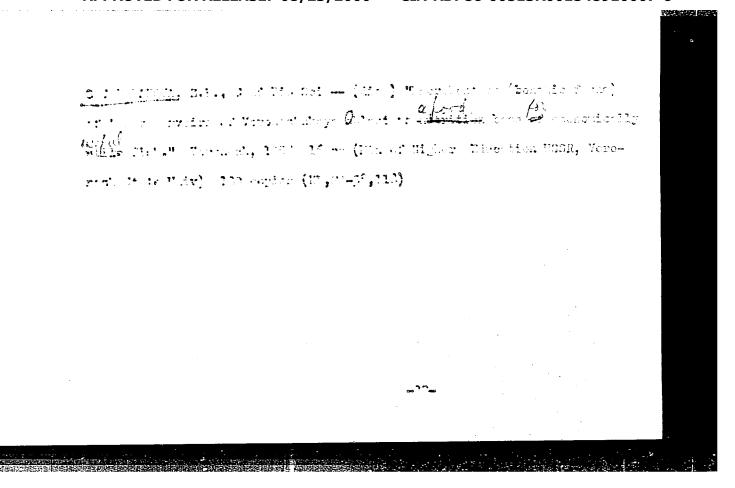
Origin and Develorment of Plankton (Cont.)

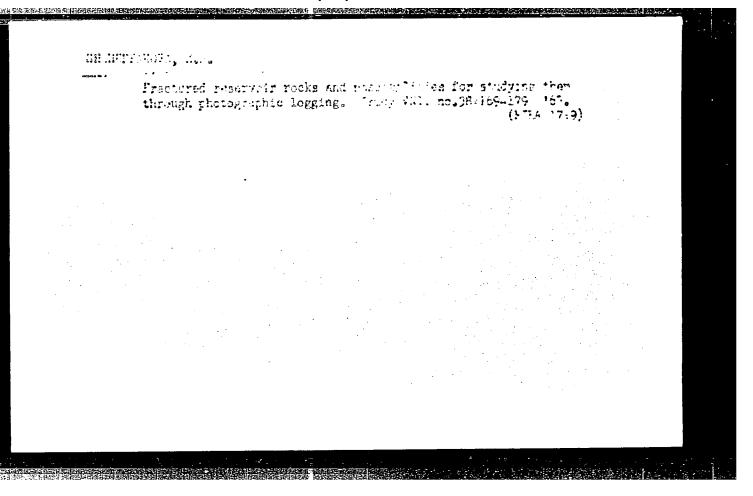
14-57-6-12748

Aphanizomenon flos aquae. The number of indwelling species and the amount of available benthos and plankton differed from rond to ponds are stocked.

Card 3/3

S. Ryabinina





VAKHRUSHEV, V.A.; SHCHERBAKOVA, Z.V.

Corundum-spinel rocks in the Sangilen Ridge in southeastern Tuva.
Geol. i geofiz. no.4;113-115 '61. (MIRA 14:5)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,

Novosíbirsk. (Sangilen Ridge.-Corundum)

HOZENTSVEYU, S.A.; SHCHERBAKOVA, Z.V. (Leningrad)

Effect of sulfur on an iron electrode in alkaline solution.
Zhur,fiz.khim. 35 no.11:2547-2552 N '61. (MIRA 14:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy akkumulyatornyy institut, Leningrad.
(Bleatrodes, Iron)
(Sulfur)

S Baily, V. 1., scalaral, 180 %, factor, decayled and granites.

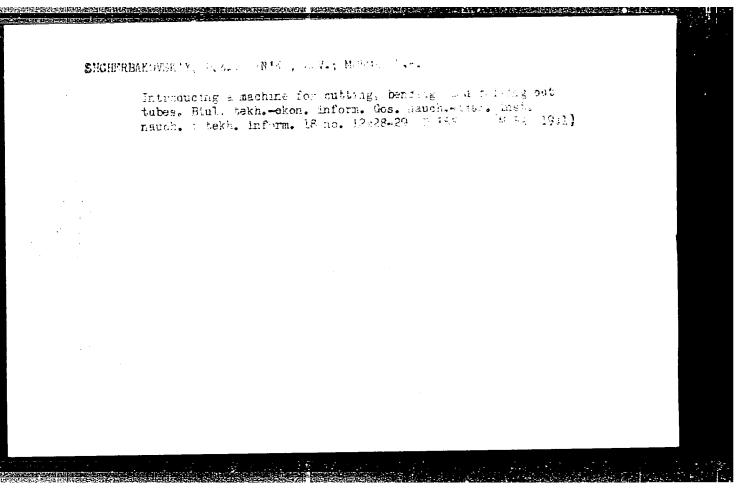
High-temperature inclusions are not seen in the projection and granites.

Projection percentilities are not assert an energy AN SiR.

VARTAHOVA,N.S.; SHOHWEBAKOVA, 2.V.

Temperatures of postmagmatic processes in granitos, Eckl. AM
SSSR 159 no.6:1297-1300 D '64

1. Institut geologii i geofiziki Sibirskoga atdeleniya AM SSSR.
Predstavleno akademikom V.S. Sobolevym.



nakan kang berapatan di kang di Kangan d

SERGEYEV, N.; RIDER, V.A.; ORIPOV, Kh.; BRUNNER, Yu.N.; MANGUSH, Kh.; ORLOVA, A.S.; SHCHERBAKOVSKIY, N.N.; LESHCHINSKIY, N.S.; VOYAKOVSKAYA, Ye.S.; DERYABIN, V.I.

Letters to the editor. Zashch. rast. ot vred. i bol. 6 no.5:44-45 My '61. (MIRA 15:6)

1. Inspektor po karantimu rasteniy g.Labinsk, Krasnodarskogo kraya (for Sergeyev). 2. Zaveduyushchiy Primorskim gosudarstvennym sortoispytatel'skim uchastkom Stalinskoy oblasti (for Mangush).
3. Agronom po zashchite rasteniy Shchelkovskogo rayona, Moskovskoy obl. (for Orlova). 4. Zaveduyushchiy Aleksandrovskim nablyudatel'nym punktom, Kirovogradskaya obl. (for Shcherbakovskiy). 5. Inspektor po karantimu rasteniy, g. Pyatigorsk, Stavropol'skogo kraya (for Leshchinskiy). 6. Agronom po zashchite rasteniy g. Kamenets-Podol'skiy, Khmel'nitskoy oblasti (for Voyakovskaya).

(Plants, Protection of)

SHCHERBAXOVSKIY, Vladimir Yakovlevich; GUROV, V.D., redaktor; KHRISTENKO, V.P., redaktor izdatel stva; KONYASHINA, A.D., tekhnicheskiy redaktor

THE REPORT OF THE PROPERTY OF

[Drying wood in petrolatum; practices of the Repair and Construction Trust of the Railroad District of Moscow] Sushka drevesiny v petrolatume; iz opyta remontno-stroitel nogo tresta Zheleznodorozhnogo raiona Moskvay. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1957. 70 p. (Lumber--Drying) (Petrolatum) (MLRA 19:9)

GOROKHOVSKIY, Yu.N.; SHCHERBAKOVSKIY, 7.S.

Microsensitometric testing of color multilayer photographic materials. Zhur. nauch. i prikl. fot. i kin. 9 no.5:341-351 (MIRA 17:10)

1. Gosudarstvennyy opticheskiy institut imeni Vavilova, Leningrad.

GOROKHUVSKIY, Yo.M.; SHCHERBAKUVSKIY, A.S.

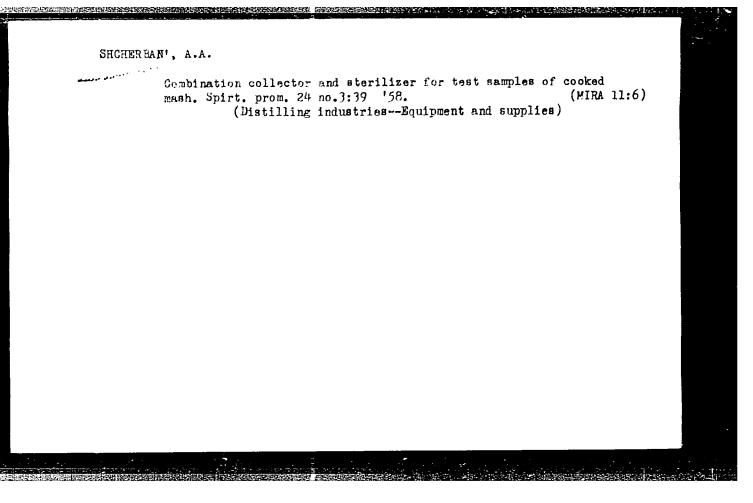
Effect of color of relopment on the microsensitometric properties of spectrozonal two-layer films. Zhar.nauch. i prikl.fot. i kin. 9 no.6:466-469 N-D 164. (MIRA 13:1)

1. Gosudarstvennyy opti neskiy institut imeni S.I.Vavilova, Leningrad.

KRYUCHKOVA, V.A.; SHCHERBAN, A.

Synthetic materials in light industry. Inform. biul. VDNKH. no.219-12 F '64. (MIRA 17:8)

1. Glavnyy inzh. Upravleniya shveynoy promyshlennosti Moskovskogo soveta narodnogo khozyaystva (for Kryuchkova).



#### CIA-RDP86-00513R001548910007-6 "APPROVED FOR RELEASE: 08/23/2000

135-5-11/14

USSR/Welding SUBJECT:

1. 1.

Volchenko, V.N., Candidate of Technical Sciences, and Shcherban' AUTHORS:

A.B., Engineer.

Torch for Semi-Automatic Welding in Carbon Dioxide. (Gorelka TITLE:

dlya poluavtomaticheskoy svarki v srede uglekislogo gaza).

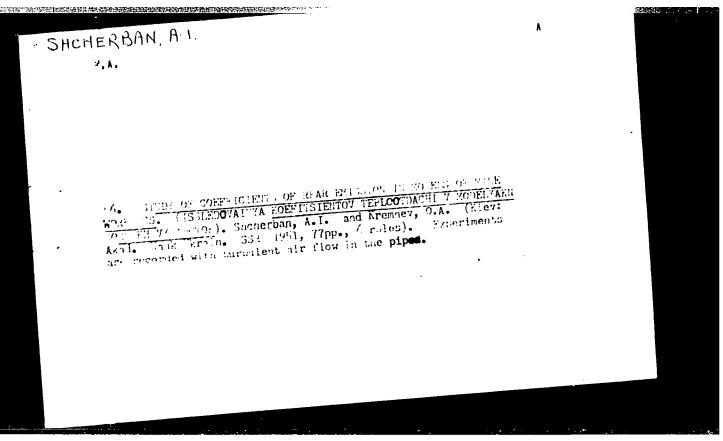
"Swarochnoye Proizwodstvo", 1957, # 5, pp 27-28 (USSR). PERIODICAL:

A new water cooled torch was developed by the Zhdanov Metallurgical Institute in co-operation with the plant imeni Il'yich. ABSTRACT:

The torch can be used with the welding machines "ПАШМ -500" or "NW-5". Its constructional features are: a tubular brass housing which is cooled by running water and connected by a nut to a detachable plastic handle. Replacement of casing does not require the removal of the torch, and the operation is done within 4-5 minutes. The end of the housing carries a replaceable gas nozzle made of copper. A push-button at the handle serves for switching on the power. The torch weighs about 500 grams. It has been tested with good results in welding casting defects

in steel, and in welding sheet steel.

Card 1/2



SHCHERBAN', A.I., inzhener; SHCHERBAN', A.I., inzhener; YASHCHUK, K.S., inzhener.

Remarks on Engineer Belogolov's article "Experience in supplying large construction projects with electric power." Elek.sta. 25 no.3:59-60

Mr '54.

(Electric power distribution) (Belogolov, )

SHCHERBAN', A.N., kandidat tekhnicheskikh nauk.

Georiamie observations in the Donets Basin. Zap.Inst.gor.mekh. all
URSR no.6:58-79 '48.

(Donets Basin—Earth temperature)

(MIRA 8:4)

SHCHERBAN', A.N., akademik, FUEMAN, N.I., kand. tekhn. nauk, BELOGOLOVIN, N.S., PRIMAK, A.V., TARASEVICH, V.N.

Transistorized contactless relay device. Avtom. i prib. no.3:
47-49 Jl-5 'ol., (MIRA 18:3)

1. Akademiya nauk UkrSSR (for Shcherban').

USSR/Mining Method Air Conditioning

Jan/Mar 49

TA 38/4/207

"Refrigeration Engineering in the Coal Industry," A. Shcherban', Cand Tech Sci, 3 pp

"Kholodil Tekh" No l

The deepest prewar coal-mining shafts in the Donets basin were 500 - 600 meters deep. Now, shafts of 1,200 - 1,500 meters are to be used. The temperature rise at 1,200 meters is figured to be approximately 40 - 47°. Discusses factors causing temperature rise and methods of air-conditioning the shafts.

38/49T97

21748 <u>SECTION 1. A.M.</u> Isyol beyonde tegla uchatego vordekha shakhtroy komprendernoy estenoyki. Egol', 1949, No. 7, 3. 16-17.

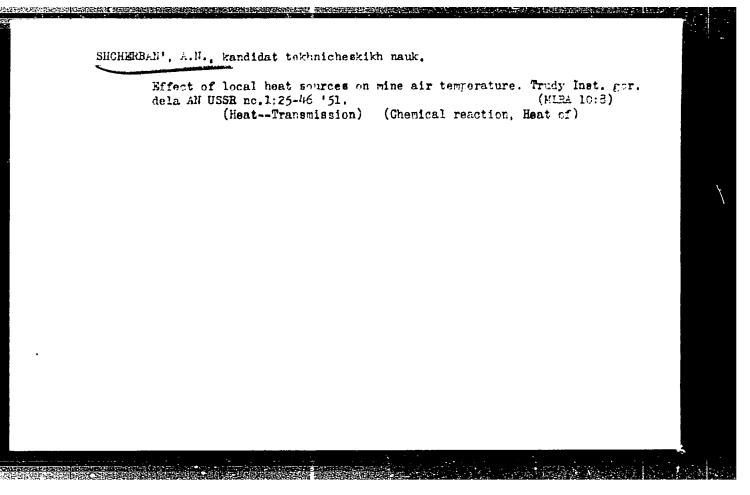
SO: Istogia 'Shurnel' hykh Striey, No. 29, Moskva, 1949

SHCHERBAN', A. N.

Heat formation in the coal mines of the Donets Basin Kiev, Izd-vo Akademii nauk Ukrainskoi SSR, 1950. 37 p. (51-27934)

TN808.R92D628

1. Coal mines and mining - Russia - Donets Basin.



SHCHERBAN, A. N.

USSR/Mining - Coal Mines, Air Conditioning 1951

"Problem of Air Conditioning in Deep Mines of Donbass," A. N. Shcherban', Cand Tech Sci

"Zap Inst Gornoy Mekh" No 9, pp 15-27

Discusses factors causing changes in condition of mine atm, and outlines basic problems in the field of investigating methods for air conditioning in deep mines. Some of these problems are: investigation of Donbass geothermy, hydrology of great depths, heat liberation by rocks and machinery, oxidation processes, industrial hygiene.

204T73

SHCHERBAN', A.N., kandidat tekhnicheskikh nauk.

Method for the determination of air temperature in horizontal headings in Donets Basin coal mines. Sbor.trud.Inst.gor.dela AN URSR no.2:105-120 '52. (MIRA 7:12)

(Donets Basin -- Coal mines and mining)

SHCHERBAN', A.N.; ZUBAROV, M., redaktor; VUYEK, M., tekhnicheskiy redaktor.

大大元元元代的中国的国际工程的企业,并不是的国际企业的企业,但是是一个企业的企业的企业,但是不是一个企业的企业。 1987年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1

[From stopes to entire mines operating on an uninterrupted mining schedule] Ot tsikluiushchikhsia lav do shakht sploshnoi tsiklichnosti. Kiev. Gos. izd-vo tekhnicheskoi lit-ry USSR, 1953. 153 p.

(Coal mines and mining) (MIRA 8:2)

SHCHERBAN, A. N.

Osnovy teorii i metody teplovykh raschetov rudnichnogo vozdukha / Fundamentals of the theory and methods of mine air heat calculation /. Moskva, Ugletekhizdat, 1953. 368 p.

SG: Monthly List of Russian Accessions, Vol. 6 No. 9 December 1953

SECURIAN, A. E.

Coal Mines and Mining

Milect of the use of pneumatic machinery in mines on the temperature of mine air.

Upol' 2c, No. 4, 1772.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SHCHERBAN', A.N.

Air conditioning in Donets Basin mines. Ugol' 28 no.12:10-12 D '53.

(MIRA 6:11)

1. Institut gornogo dela Akademii nauk USSR.

(Donets Basin--Mine ventilation) (Mine ventilation--Donets Basin)

SHCHERBAN!, Aleksandr Nazarovich; YAGEL'SKIY, Anatoliy Naumovich;
BARATOV, Emil' Iosifovich; ZIL'BAN, M.S., redaktor; KRYLOVSKAYA,
N.S., tekhnicheskiy redaktor.

[Simplified methods of making heat calculations for mine ventilation in Donets Basin coal mines] Uproshchennye sposoby teplovykh raschetov rudnichnogo vozdukha v shakhtakh Donbassa. Kiev. Izd-vo Akad. nauk USSR, 1954. 126 p.

(MIRA 8:2)

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SHCHI	ERBAN, O.M.	· · · · · · · · · · · · · · · · · · ·
USSR/ Scient	ific Organization	
Card 1/1	Pub. 138 - 2/12	
	Sheherban', O.N. Chief Scient. Secretary of the Presidium of the Ukr-Acad.	
Title	Basic results of scientific activity and introduction into practice of finished works of the Academy of Sciences Ukr-SSR during 1953. Tasks for 1954	
Periodical	* Visnik AN URSR 3, 8-21, Mar 1954	
Abstract	The great contributions of the Academy of Sciences Ukr-SSR to the development of agriculture and industry in the Ukr-SSR during 1953, are listed. The scientific research plans of the Academy for the year 1954 are announced. Present and future appointments of young scientists to scientific positions at the Academy and its Branches are reported.	
Institution:	••••	
Submitted:		

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Card 1/1				
Author	:	Shcherban', A. N., Chief, Sci. Secr. of the Presidium of the Sci. of the USSR	Acad. d	
Title	:	Creative co-operation		
Periodical	:	Nauka i Zhizn' 21/3, 5-7, Mar/1954		
Abstract	:	The 300th anniversary of the Union of the Ukraine with Russia about reminiscences of the effect of Russian science on Ukrain	nian	
		science. More than 1,500 scientific workers, of whom 88 are a members and 105 corresponding members, are carrying on research more than 50 scientific-research institutes of the Ukrainian A of Sciences.	h in	
Institution	:	members and 105 corresponding members, are carrying on research more than 50 scientific-research institutes of the Ukrainian A	h in	
Institution Submitted	:	members and 105 corresponding members, are carrying on research more than 50 scientific-research institutes of the Ukrainian A	h in	

SHCHERRAN', O.N., professor.

Development of science in fraternal Bulgaria. Visnyk AN URSR 25 no.10:44-54 0 154. (MERA 8:1)

(Bulgarian Academy of Sciences)

SHCHERBAN', Aleksandr Mazarevich, professor, doktor tekhnicheskikh; nauk; KUCHEROV, P.S., redakter; KAZANTSEV, B.A., redakter; RAKHLIBA, N.P., tekhnicheskiy redakter.

[Develepment of technical sciences in the people's demecracies]
Razvitie tekhnicheskikh nauk v stranakh naredaei demekratii.

Kiev, Izd-ve Akademii nauk USSR, 1955. 26 p. (MURA 9:5)

1. Chlen-korrespondent Akademii nauk USSR (for Eucherov)

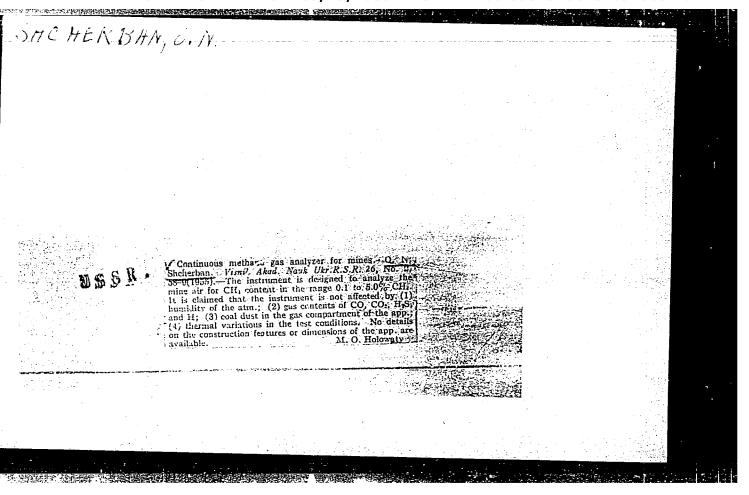
(Burope, Eastern-Technology) (China-Technology)

SHCHERBAN', Aleksandr Nazar'yevich; FURMAN, Neonil Izrailevich; KUCHEROV, P.S., redaktor; TITKOV, B.S., redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Detecting and controlling methane in mines and industrial structures]
Obnaruzhenie i kontrol netana v shakhtakh i promyshlennykh zdaniiakh.
Kiev, Izd-vo Akademii nauk USSR, 1955. 100 p. (MIRA 9:2)

1. Chlen-korrespondent AN U.S.S.R. (for Kucherov)
(Methane)

以为以外,以次对对中国的国际的大型,是是有效的国际的国际的企业的。

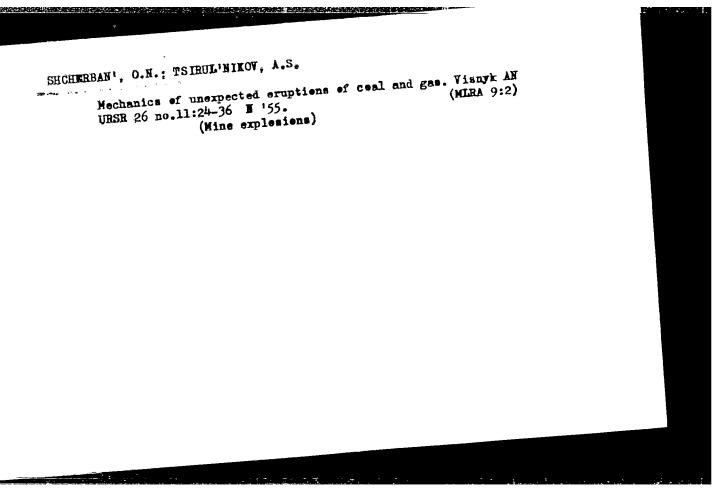


SHCHERBAN', O.N., doktor tekhnicheskikh nauk; KREMN'OV, O.O.

Problems in estimating and regulating thermalconditions in the deep
Problems of the Donets Basin. Visnyk AN URSR 26 no.7:3-15 Jl'55.

mines of the Basin—Mine ventilation)

(Donets Basin—Mine ventilation)



SHCHERBAN', A. N. Dr. Chief Sci. Secretary, Ukrainian SSR Acad Sci.

\*Atomic inergy in the Service of Man® Pravda Ukrainy, No.114, p. 2, 15 May 55

Translated excerpts - D 332096, 20 Sep 55

SHCHERBAN', A.N.; EXEMNEY, O.A.; CHMRNOBYL'SKIY, I.I.; UCHASTKIN, P.V.;
TETEREVNIKOV, V.N.; YAGEL'SKIY, A.N.; KUCHEROV, P.S., redaktor;
TITKOV, B.S., redaktor izdatel'stva; ZHUKOVSKIY, A.D., tekhoicheskiy
redaktor

[Cooling and drying of air in deep coal mines] Okhlazhdenie i osushenie vozdukha v glubokikh ugel'nykh shakhtakh. Pod obshchei red. A.N.Shcherbania i O.A.Kremneva. Kiev, Izd-vo Akademii nauk USSR, 1956. 271 p. (MIRA 9:12)

1. Chlen-korrespondent AN USSR (for Kucherov) (Mine ventilation)

SHCHERBAN! Aleksandr Nazarovich, professor, kandidat tekhnicheskikh nauk; YAGEL'SKIY, Anatoliy Naumovich, inzhener; KHEMNEV, O.A., ovetstvennyy redaktor; RATNIKOVA, A.P., redaktor izdatel'stva; ANDREYEV, G.G., tekhnicheskiy redaktor; KOROVENKOVA, Z.A., tekhnicheskiy redaktor

[Air conditioning in mines] Konditsionirovanie rudnichnogo vozdukha, Moskva, Ugletekhizdat, 1956. 351 p. (MIRA 10:3)

(Mine ventilation)

SOV/112-57-5-10531

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 5, p 143 (USSR)

AUTHOR: Shcherban', A., Furman, N.

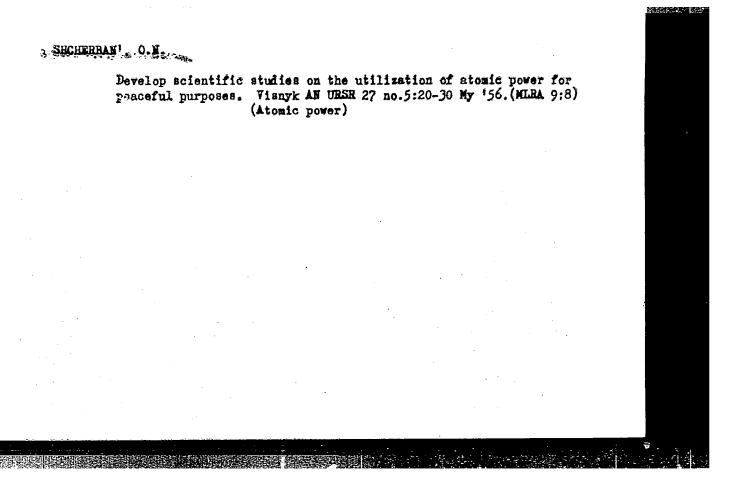
TITLE: Equipment for Automatic Determination of Thermal Physical Constants (Apparatura avtomaticheskogo opredeleniya teplofizicheskikh konstant)

PERIODICAL: Stroit. materialy, izdeliya i konstruktsii, 1956, Nr 3, pp 8-9

ABSTRACT: Determining the thermal physical characteristics of heat-insulating and construction materials by methods of the regular-condition theory is associated with the necessity of obtaining cooling curves of the body in question; this requires a constant-temperature medium and a differential thermocouple. As the specimen temperature usually does not exceed that of the ambient medium by more than 20-25°C, a mirror-type galvanometer is conventionally used for measurements. To simplify tests and to exclude subjective errors, it is suggested that a magnetic amplifier with a type SG recording millivoltmeter be used at the output end. A simplified circuit diagram of a simplestage differential magnetic amplifier with an amplification factor 30 is presented.

M.A.K.

Card 1/1



SHCHERBAN! Aleksandr Nezer vevich: KUCHEROV, P.S., otv.red,; PECHKOVSKAYA, O.M., red.izd-ve; ZHUKOVSKIY, A.D., tekhn.red.

[Exploitation of coal deposits in the Korean People's Democratic Republic; a technical study] Razrabotka ugol'nykh mestorozhdenii v Koreiskoi Narodno-Demokraticheskoi Respublike; tekhnicheskii ocherk. Kiev, Izd-vo Akad.nauk USSR, 1957. 38 p. (MIRA 12:2)

1. Chlen-korrespondent AN USSR (for Kucherov).
(Korea, North--Coal mines and mining)

PALLADIN, O.V., red.; SEMENENKO, M.P., akademik, red.; SHCHWRANI. O.M., akademik, red.; GNEDENKO. B.V. [Hniedenko, B.V.], akademik, red.; DELIMARSKIY, Yu.K. [Delimars'kyi, IU.K.], akademik, red.; KAVETSKIY, R.Ye. [Kavets'kyi, R.IK.], akademik, red.; KHRENOV, K.K. [Khrienov,

CANCELLE RECOGNICATE DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRAC

K.K.], skademik, red.; KOROID, O.S., kand.ekon.nauk, red.; GUDZENKC, P.P. [Hudzenko, P.P.], kand.ist.nauk, red.; SHIKAN, V.L., red.

: izd-va; RAKHLINA, N.P., tekhn.red.

[Development of science in the Ukraine during the past 40 years]
Rozvytok nauky v Ukrains'kii RSR za 40 rokiv. Kyiv, 1957. 529 p.
(MIRA 11:3)

1. Akademiya nauk URSR, Kiyev (for Semenenko, Shcherban', Gnedenko, Delimarskiy, Kavetskiy, Khrenov)
(Ukraine---Science)

AUTHORS:

Sheherban , A.M., Furman, A. I. THE RELIANCE BUILDING

507/19-58-4-340/523

TITLE:

A Device for Rapid Determination of Thermophysical Constants by the Method of Regular Thermal Conditions (Ustanovka dlya skorostnogo opredeleniya teplofizicheskikh konstant po metodam regulyarnogo teplovogo rezhima)

PERIORICAL: Byulleten: izobreteniy, 1958, Nr 4. p 86 (USSR

ABSTRACT:

Class 421, 15. Wr 109311 (455618/274-54, 19 March 1954). Submitted to the USSR Ministry of the Coal Industry. The device for rapid determination of thermophysical factors by the method of regular conditions consists of a calorimeter with a thermocouple and a fixing device. The fixing device contains a recording millivoltmeter connected to the data-unit, which measures the temperature difference, by a single-stage differential magnetic amplifier.

Card 1/1

AUTHOR: Shcherban', O.N., Member of the AN Ukraunian 55h 21-5-1'26

TITLE: Development of Science in the Soviet Ukraine Raztsvet nauki

Sovetskoy Ukrainy)

PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1957, Nr 5, pp. 423-

430 (USSR)

- #

ABSTRACT: The Academy of Sciences of the Ukrainian SSR has 5 departments and over 50 scientific research institutions in which

about 2,000 scientific workers are employed. Besides this Academy, the Ukraine has also the Academy of Agricultural Sciences and the Academy of Architecture and Construction. Altogether, 30,000 scientists are working in the 400 scient-

ific research organizations of the Ukraine, of which about 17,000 scientific workers are occupied with research in 130 higher educational institutions. Recently, a cyclotron laboratory was established in the Institute of Physics, where research in nuclear reactions and neutron physics is being carried out. At present, a nuclear reactor is being con-

structed. Studies of isotopes were begun by the Institute of Physical Chemistry imeni L.V. Pisarzhevskiy in 1934. At

the same time, this Institute produced heavy water for the Card 1/5 first time in the Soviet Union. The problem of semiconduct-

Development of Science in the Soviet Ukraine

21-5-1/26

ors is being studied in the Kiyev Polytechnic Institute, Kiyev State University and Institute of Physics of the AN Ukrainian SSR. The scientists of the latter institute have manufactured such semiconductor devices as germanium diodes and triodes of 2 to 3 mm in size. The famous mathematician M.M. Krylov and his school in Kiyev have performed investigations in the field of approximation methods of calculus and theory of dynamic systems. Academician N.N. Bogolynbov and his disciples have carried out research in mathematical physics and non-linear mechanics. The designing of a new specialized computer for solving large systems of algebraic equations is nearing completion. In 1954, the construction of a computing center in the Ukraine was begun. The Livov Institute of Machine Study and Automation, the Institute of Gas Utilization and the L'vov Polytechnic Institute are carrying out important research in the automation of manufacturing processes. In 1955, the Institute of Radiophysics and Electronics was incorporated in the system of the Ukrainian Academy of Sciences. The Institute of Physical Chemistry imeni L.V. Pisarzhevskiy was established in 1927. It applied the nitrogen heavy isotope for studying the mechanism of chemical processes. The Institute of Organic Chemistry has

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Institute of Mining has designed a mining combine for the operation under loose rocks of the manganese and brown coal deposits and an original methane-analyzer of continuous action. The Institute of Construction Mechanics has developed methods for calculating the strength of various hydrotechnical constructions. The Institute of Hydrology and Hydrotechnics has worked on the problem of utilization of the Ukraine's water resources. The Institute of Electrotechnics has developed new devices for the condenser electric welding of thin machine parts and new automatic devices, in particular automatic regulators for the turning angle of hydroturbine blades. The Ministry of Health Protection of the Ukrainian SSR has 40 institutes and 17 higher medical educational institutions. The Academy of Agricultural Sciences has 17 zone and branch scientific research institutions and 21 regional state experimental stations. About 1,500 scientific workers are employed in the institutes and experimental stations of the Ministry of Agricultural Sciences. Social sciences in the Ukraine have been developed in the situation of fighting various bourgeois ideologies: Ukrainian bourgeois nationalists, decadents, cosmopolites, anti-scientific concepts of the "Pokrovskiy school" and bourgeois-national-

card 4/5

SHCHERBAN', A.M., FURMAN, N.I., inzhener; ZAYTSEV, V.I., inzhener;

ERENBURG, I.I., inzhener; BARZILOVICH, P.P., inzhener.

Automatic continuous duty methane testers. Bezop.truda v prom.

1 no.8:25-29 Ag '57. (MURA 10:8)

1.Deystvitel'nyy chlen AN USSR (for Shcherban') 2.Institut
gornogo dela AN USSR (for Shcherban', Furman) 3. Zavod "Krasnyy
metallist" (for Zaytsev, Erenburg) 4.Glavukruglemash (for Barzilovich)

(Methane) (Gas detectors)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548910007-6"

SHCHERBAN', Aleksandr Nazar'yevich; TSYRUL'NIKOV, Anatoliy Semenovich; KUCHEROV, P.S., otvetstvennyy red.; PECHKOVSKAYA, O.M., red. izd-va; BOGDANOVA, S.M., tekhn. red.

[Permeability of coal beds to gas] Gazopronitsaemost' ugol'nykh plastov. Kiev, Izd-vo Akad. nauk USSR, 1958. 108 p. (MIRA 11:8)

1. Chlen-korrespondent Akademii nauk Ukrainskoy SSR (for Kucherov).
(Coal) (Methane)

SHCHERBAN, Aleksandr Nazarovich, YAGEL'SKIY, Anatoliy Naumovich, BARATOV, EMILY Toelfovich, KUCHEROV, P.S., otv.red.; ZIL'BAN, K.J., red.; SKLYAROVA, V.Ye. tekhn.red.

[Simplified methods for making thermal calculations for mine ventilation in Donets Basin mines] Uproshchennye sposoby teplovykh raschetov rudnichnogo vozdukha v shakhtakh Donbassa. Izd. 2., perer. 1 dop. Kiev, Izd-vo Akad.nauk USSR, 1958. 156 p. (MIRA 11:3)

1. Chlen-korrespondent AN USSR (for Kucherov)
(Donets Bassin-Mine ventilation)

Will Krank & Mary

AUTHOR:

Sheherban!, A. E., Academician and Vice-presi-

dent. Academy of Sciences, Ukr. SSR

TITLE:

The Tasks of Scientists in Developing the Productive Forces of

the Ukraine (Zadachi uchen/lih v razvitii proizvoditel'

nytto sil Utrainy)

PERIODICAL:

Vootnik Akadamii Wak SSSR, 1950,

| Mr | 1, pp | 39-45 (USSR)

ABSTRACT:

The rapid growth of the political economy and the creation of a powerful socialist industry have caused the accessity of a perfection of the organization forms of management in all branches of industry and building activity, in order to guarantee a more systematic exploitation of the immense reserves and possibilities of the socialist economy. A broad view on productive connections with the production organizations is given to the scientists of the AN Ukrainian SSR by the establishment of technical—and economical advisory boards of the economic councils, the principal task of which is the investigation of general problems of the development

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# The Tasks of Scientists in Developing the Productive Forces of the Ukraine

costs and of quality improvement. In October 1957 groups of scientists under the direction of members of the academy have visited 10 ocenomic ecuncils and treated all lasyuted problems. Furthermore, plans to a large extent only for the future, in all branches of economy are described in detail. Among the work already finished and started, respectively, the following is mentioned: a device for air cooling in the desp gits in the district of the economic council of Stalinsk; as well as a continuously operating methane analyzer. The Institute for Metallurgy together with industry experts elaborates a blast-furnace-processing with blowing in of natural gas into the blast furnace frame, and investigates the effact of arsenic upon the quality of the steel. Particularly important is the problem of taking part of the scientists of the AH Ukrainian SSR in the elaboration of the prospective plans for the years to come 1959-1965. The activity of the academic institutions must be connected with manufacturing. Very soon, the existing scientific institutes are to be extended, and, where it seems to be necessary, they are to be newly established, respectively. In 1997 3 departments of the mining institute were established in Stalino, which soon

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# The Tasks of Scientists in Developing the Productive Forces of the Taraine

are to be extended. Also the laboratory for mine transports in Dnepropetrovsh will be completed and recognized. In the coal basin of L'vovsko-Velynskiy a research station will be established, as well. In Kiyev in the work "Tochelektropribor" a research group of the institute for eletrical engineering has been established. In Khar'kov, Stalino and Dnepropetrovsk departments of the Institute for Economics have been founded. The elaborated scientific proposals must be considered in the expended plan of the USSR for the years 1950-1960.

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ASSOCIATION: Akademiya nauk USSR (Academy of Sciences of the Ukm SSR)

AVAILABLE: Library of Congress

1. Economic conditions-USSR 2. Industry-Development-USSR

Card 3/3

SHCHERRAN'. A.N. [Shcherban', O.N.]. akademik; BARATOV, E.I.

Effect of extracted coal on the temperature of mine air at working faces [with summary in English]. Dop.AN IRSA no.12;

(MIRA 12:1)

1313-1315 '58.

1. AN USSR (for Shcherban'). 2. Institut teploenergetiki
AN USSR.

(Coal mines and mining)

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(MIRA 11:11)
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(Donets Basin—Mine ventilation)

SHCHERBAN', A.N., akademik; BARATOV, E.I., kand.tekhn.nauk; KREMNEV, O.A., kand.tekhn.nauk

Problems of temperature control in deep Donets Basin mines.

Ugol' Ukr. 2 no.10:33-38 0 58. (MIRA 12:1)

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(Donets Basin--Coal mines and mining--Air conditioning)

SHCHERRAN, Å.N., akademik

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SHOHERBAN', O.N., akademik

Tasks of the institutes of the Academy of Sciences of the Ukrainian

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SHCHERBAN', Aleksandr Nazarovich [Shcherban', O.N.], akademik; SHVETS,
I.T., akademik, glavnyy red.; KOVALEVSKIY, V.V., red.

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dlia poshyrennia politychnykh i naukovykh znan' URSR. Ser.5.
no.9).

(MIRA 12:9)

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SHCHERBAN', A.N.; TSYRUL'NIKOV, A.S.; BARATOV, E.I.; RYZHENKO, I.A.;

APONINA, G., red.; MATUSEVICH, S., tekhn.red.

[Determining the length of stopes in coal mines] Opredelenie dliny ochistnykh zaboev ugol'nykh shakht. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1959. 125 p.

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(Mine ventilation) (Stoping (Mining))

SHCHERBAN', Aleksandr Nazar'yevich, akademik; KREMNEY, Oleg Aleksandrovich, kand.tekhn.nauk; TITOVA, N.M., red.izd-va; KADASHEVICH, O.A., tekhn.red.

[Scientific bases for the calculation and regulation of thermal conditions in deep mines] Nauchnye osnovy rascheta i regulirovaniia teplovogo rezhima glubokikh shakht; v dvukh tomakh. Kiev. Izd-vo Akad.nauk USSR. Vol.1. [Scientific bases for the calculation of thermal conditions in deep mines] Nauchnye osnovy teplovogo rascheta glubokikh shakht. 1959. 427 p. (MIRA 13:3)

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(Mine ventilation) (Heat--Transmission)

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NTO no.2:13-15 F '59. (MIRA 12:2)

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SOV/21-59-7-13/25 11(7)

Shcherban, A.N. Member ASUkrock and Baratov, F.I. AUTHOR:

TITLE: Method for Calculating the Tength of the Coal Face

by the Heat Factor

Popovidi Akademii Nauk Ukrains'koi RSR, 1959, Nr 7, pp 753-755 (UkrSSR) PERIODICAL:

ABSTRACT: The authors propose a formula for determining the

limiting length of the coal face by the heat factor. It is established that the limiting length of coal faces quickly decreases with an increase in the depth of mine workings. There are 8 mathematic formulas, 1

table and 4 Soviet references.

ASSOCIATION: Institut teploenergetiki AN Ukraga (Institute of Heat-

power Engineering ASUkress)

SUBMITTED: February 18, 1959

Card 1/1

SHCHERBAN', Aleksendr Nazar'yevich; STARIKEV, N.A., akademik, otv. red.; TITOVA, h. otv. red.izd-va- YEFIMOVA, M.I., tekhn. red.

[Development of the coal deposits of the People's Republic of Bulgaria] Razrabotka ugol'nykh mestorozhdenii Narodnoi nespubliki Holgarii; tekhnicheskii ocherk. Kiev, Izd-vo Akadoneuk USSR, 1959. 32 p. (MIRA 16:7)

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SHCHERBAN', A.N., akademik; BARATOV, E.I., kand.tekhn.nauk

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1. Institut teploenergetiki AN USSR. 2. AN USSR (for Shcherban').

(Coal mines and mining--Safety measures)

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SHCHERMAN', A.N., akademik: HUTAYEV, O.A.: FURNAN, N.I.; TERENT'YEV, N.F.

Automatic methane indicator for gas reducer plants and compressor stations of main gas pipelines. Gas. prom. 4 no. 4:42-45 Ap '59.

(Gas, Natural--Pipelines) (Gas detectors)

(Gas, Natural--Pipelines) (Gas detectors)

# PHASE I BOOK EXPLOITATION SOV/5482

Shcherban', Aleksandr Nazar'yevich, Oleg Aleksandrovich Kremnev, and Nina Mikhaylovna Titova

- Svoystva vlazhnogo vozdukha pri davleniyakh 500-1000 mm rt. st.; tablitsy i diagrammy (Properties of Moist Air With Pressure of 500-1000 mm Hg; Tables and Diagrams) Moscow, Gosgortekhizdat, 1960. 131 p. Errata slip inserted. 2,000 copies printed.
- Ed. of Publishing House: I. V. Khodneva; Tech. Ed.: Z. A. Boldyreva.
- PURPOSE: This manual is intended for the designers of all types of ventilation and air-conditioning equipment used in various branches of the national economy and may be helpful to technical personnel concerned with fire prevention in mines.
- COVERAGE: The manual contains detailed tables and diagrams of moist air within wide limits of variation of pressure (500 to 1000 millimeters Hg), temperature (-30° to +60°C), and relative humidity (0 to 100%). On the basis of these tables it is

Properties of Moist Air (Cont.) SOV/5482 possible to determine moist air parameters and the processes of their variation. These data are necessary for the rational designing of ventilation and air-conditioning equipment. No personalities are mentioned. There are no references. TABLE OF CONTENTS: Foreword 3 Moist Air 1. Parameters of moist air condition 2. Thermodynamic relationships of the basic moist air parameters and their approximation for mine conditions 6 3. Compilation and use of moist air tables 9 4. Plotting and use of moist air I - d diagrams 10 Parameters of moist air at a barometric pressure of B = 500 mm Hg12 Parameters of moist air at B = 600 mm Hg Parameters of moist air at B = 700 mm Hg Parameters of moist air at B = 740 mm Hg 22 32 42 Card 2/4.

SHCHERBAH', Aleksandr Nazer'yevich; KRMMNEY, Oleg Aleksandrovich;
TITOVA, N.M., red.izd-va; ROZENTSVEYG, Ie.N., tekhn.red.

[Scientific basis for the calculation and control of thermal conditions in deep mines] Nauchnye osnovy rascheta i regulirovenite teplovogo rezhime glubokikh shakht. Kiev. Izd-vo Akad. nauk USSR. Vol.2. 1960. 346 p. (MIRA 13:8)

(Mine ventilation)

(Mines and mineral resources-Air conditioning)

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ZHURAVLENKO, Viktor Yakovlevich; CHERNOBYL'SKIY, I.I., otv.red.;

RATNIKOVA, A.P., red.izd-va; BERESLAVSKAYA, L., tekhn.red.;

SHKLYAR, S.Ya., tekhn.red.

[Handbook for calculating mine heat and designing air-conditioning equipment] Spravochnoe rukovodstvo po teplovym raschetam shakht i proektirovaniiu ustanovok dlia okhlazhdeniia rudnichnogo vozdukha. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960.
407 p. (MIRA 14:4)

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SHCHFRBAN', A.N. [Shcherban', O.N.], akademik; BARATOV, E.I.

Effect of roof control method on thermal conditions in deep Donets Basin mines. Dop.AN URSR no.2:177-180 '60. (MIRA 13:6)

1. Institut teploenergetiki AN USSR. 2. AN USSR (for Shcherban').
(Mine sanitation)

SHCHERBAN', O.N.; FURMAN, N.I.

Industrial IM-2 apparatus for the continuous automatic analysis of mine gas. Sbir. prats' inst. hir. spravy AN URSR no.6:74-87 '60. (MIRA 13:9)

(Mine gases) (Gases--Analysis)

SHCHER RAH!, A.H. [Shcherban!, O.N.], akademik; RYZHENKO, I.A. [Ryzhenko, I.O]; SKOROBOGAT!KO, A.A. [Skorobohat!ko, A.A.]

Determining the site of average air velocity measurement in mines with rectangular and square cross sections. Dop.AN URSR no.8:1050-1052 (MIRA 13:9)

1. Institut teploenergetiki AN USSR i Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.

(Mine ventilation)

SHCHERBAN', A.N. [Shcherban', O.N.], akademik; TSYRUL'NIKOV, A.S. [TSyrul'nykov, A.S.]; TERESHCHENKO, V.G. [Tereschchenko, V.H.]

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RYZHENKO, I.A. [Ryzhenko, I.O.]; SHCHERBAN', A.N., [Shcherban', O.N.], akademik

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1. Institut teploenergetiki AW USSR. 2. AN USSR (for Shcherban').
(Mine ventilation)

SHCHERBAN', A.N. [Shcherban', O.N.], akademik; KREMNEV, O.A. [Kremn'ov, O.O.]; KOZLOV, Ye.M. [Kozlov, IE.M.]; SHELIMANOV, V.A. [Shelimanov, V.O.]

是因此的可能是我们的,我们就是我们的对象,我们就是我们的一个人,我们就是我们的,你们就是我们的一个人,我们会会会会会会会,我们会会会会会会会会会会会会会会会会会

Principles for calculating the temperature and relative humidity of air in mines. Dop.AN URSR no.11:1527-1529 '60. (MIRA 13:11)

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I.A., gormyy inzhener

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Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

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"Non-starionary Heat Conductivity of Rocky Massivey and Analytical Methods of Heat Calculations of Shafts."

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(MIRA 14:2)

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(Mine dusts)

SHCHERBAN', A.M., akademik, otv. red.; TITOVA, N.M., red. izd-va; LIBER-MAN, T.R., tekhn. red.

[Transactions of the Seminar on Thermodynamics in Mining] Seminar to gornoi teplotekhnike; trudy. Kiev, Izd-vo Akad. nauk USSR. No.3. 1961. (MIRA 14:12)

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Dop.am URSE no.3:303-306 '61. (MIRA 14:3)

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(Air flow)
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SHCHERBAN' A.N. [Shcherban', O.N.], akadmik; TSYRUL'NIKOV, A.S. [TSyrul'nykov, A.S.]; YEREMIN, I. Ya. [IEr'omin, I.IA]

Method for predicting the gas content of coal and gas pressure at the face of the seam. Dop.AN URSR no.6:753-758

[161.

1. Institut teploenergetiki AN USSR. 2. AN USSR (for Shcherban').

(Mine gases)

SHCHERBAN', A.N., akademik; TSYRUL'NIKOV, A.S., kand.tekhn.nauk;
TERRSHCHENKO, V.G., gornyy inzh.

Temperature conditions of rock walls and coal seam in the face area.
Ugol' Ukr. 5 no.5:10-13 My '61.

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(Geal mines and mining—Air conditioning)

SHCHERBAN', A.N., [Shcherman', O.N.], akademik; TSYVUL'NIKOV, A.S. [TSYRUL'NYKOV, A.S.]; YEREMIN, I.Ya. [TER'OMIN, I.IA.]

Expected surface temperature of a coal seam and country rock in stopes of coal pits. Dop. AN URSR no.8:1045-1048 (MIRA 14:9)

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(Coal mines and mining)

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[Technological progress and growth of labor productivity in the coal mining industry] Tekhnicheskii progress i rost proizvoditel'nosti truda v ugol'noi promyshlennosti. Moskva, Gosgortekhizdat, 1962. 263 p. (MIRA 15:8)

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Centribution of theory to practice. Nauka i shyttia 11
no.1.5-8 Ja 161.

1. AM USSR predicatel Cosudarstvenrogo komiteta Soveta
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rabot.

(% hnological innovations)